

Please add additional claims 36 and 37 as follows:

- 36 (new). The method of claim 1 wherein the cells are incorporated into an electrical circuit.
- 37 (new). The method of claim 12 wherein the cells are incorporated into an electrical circuit.

REMARKS

Claim 3. was amended to include the additional electrical property of complex impedance. Because the term “complex impedance” is known in the art to be the combination of impedance phase and magnitude, Applicant respectfully asserts that the amendment does not introduce new matter.

Support for newly added claims 36 and 37 can be found in the Specification (page 8, first paragraph of the Summary of the Invention: “Living cells are incorporated into an electrical circuit.”) and in the original (and newly cancelled) claims 24-35.

The amendment presented as part of this response has added dependent claims using some of the cancelled limitations. However, claims 1 and 12 are presented as a generic claim under the provisions of MPEP 809.02 and 37 CFR 1.141. Examination of all pending claims is therefore proper, despite the indication (by restriction) that at least some of these dependent claims are directed to independent and patentably distinct species as a result of containing limitations from non-elected (and now cancelled) claims.

The Applicant acknowledges that he does not understand the Examiner’s request to elect at this time a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is held to be allowable, but Applicant acknowledges that the response to the Restriction Requirement must include such elections.

If no generic claim is finally held to be allowable, the species Applicant chooses from claim 2 and 15 is signal transduction.

If no generic claim is finally held to be allowable, the species Applicant chooses from amended claim 3 is complex impedance.

If no generic claim is finally held to be allowable, the species Applicant chooses from claim 16 is resistance.

If no generic claim is finally held to be allowable, the species Applicant chooses from claim 17 is admittance.

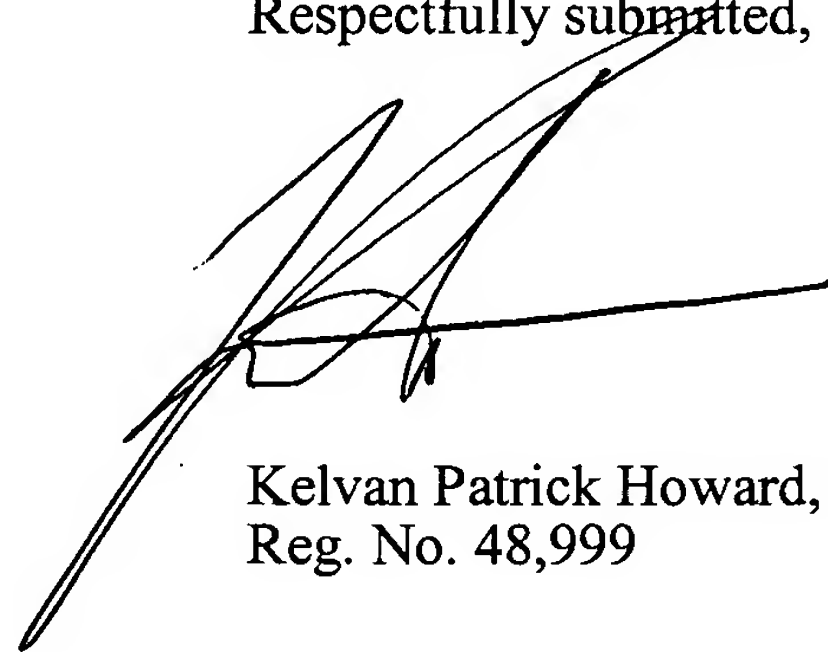
If no generic claim is finally held to be allowable, the species Applicant chooses from claim 7 and 8 or 21 and 22 is a ligand.

CONCLUSION AND REQUEST FOR TELEPHONIC INTERVIEW

Applicant respectfully request reconsideration of pending claims 1-23 and 36-37.

Applicant is of the opinion that examination can be materially advanced if a telephonic interview is granted after examination and prior to the issuance of an official action, as applicant is of the opinion that allowable claim wording can be worked out if the current claim language is not sufficiently clear. A telephonic interview is therefore requested, if the Examiner believes that one is necessary. The undersigned can be reached at the numbers listed below or contacted by email at Kelvan.howard@sciex.com

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Kelvan Howard', is written over the typed name and registration number.

Kelvan Patrick Howard, Ph.D
Reg. No. 48,999

MDS Sciex, Inc.
1170 Veteran's Blvd.
South San Francisco, California 94080
(650) 635-4380 (general)
(650) 635-4386 (direct)
(650) 635-4399 (fax)

KPH/kph